

IN THE CLAIMS:

Please cancel Claims 1-14 without prejudice.

15. (Original) A waveguide comprising:

a first optical channel within the waveguide; and

a first lithographically-defined marking on a surface of the waveguide indicative of the first optical channel within the waveguide.

16. (Original) The waveguide of claim 15 further comprising:

a second optical channel within the waveguide; and

a second lithographically-defined marking on the surface of the waveguide indicative of the second optical channel within the waveguide.

17. (Original) The waveguide of claim 16, wherein the first lithographically-defined marking and the second lithographically-defined marking are directly above the first optical channel and the second optical channel, respectively.

18. (Original) The waveguide of claim 17, wherein the first lithographically-defined marking and the second lithographically-defined marking are at an edge of the waveguide.

19. (Original) The waveguide of claim 18; wherein the waveguide comprises glass.

20. (Original) The waveguide of claim 18, wherein the waveguide comprises silicon.

21. (Original) The waveguide of claim 18, wherein the first optical channel and the second optical channel are on opposite sides of the waveguide.